



484175

**STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
INSPECTION REPORT**

County Jackson

Site Code 077 020 0002

Facility DeSoto/SIRL (Jackson Co. Landfill) Region 7 Date 10/27/93

Time: From 07:55 a.m. To 09:35 a.m. Photos Taken: Yes (11) No ()

Site Open : Yes (X) No () Inspector(s) George Browning

Samples Taken: (Yes () No (X) Groundwater (#) Surface # () Other (#)

Interviewed Bob Dabbs, Mgr. Weather cold, dry 55° Facility Ph. # 867-2356

Previous Inspection:

Previous Correspondence:

OPERATIONAL STATUS:**TYPE OF OPERATION****AUTHORIZATION**

Operating (X)	Sanitary Landfill (X)	EPA OP Permit No. <u>1976-44-OP</u>
Temporarily Closed ()	Special Waste Landfill ()	EPA DE Permit No. _____
Closed not Covered ()	Quantity Received Daily	Other _____
Closed and Covered ()	(1-6) _____	None _____

SITE OBSERVATION

Failure to comply with the terms and conditions of permit(s) Lack of Financial Assurance & Closure/Post Closure Plan. SIRL not on permit

(Section 807.302 of the Regulations..... 1. X

Failure to deposit refuse in the toe of the fill or into the bottom of the trench (Section 807.303(a) of the Regulations..... 2. X

Inadequate spreading and compacting (Section 807.303(b) of the Regulations..... 3. _____

Failure to maintain the proper ratio of the slope of the working face (Section 807.303(c) of the Regulations..... 4. _____

Insufficient (operable equipment (): personnel (): supervision () available to comply with the permit, the Act or the Regulations (Section 807.3-4 of the Regulations..... 5. _____

Uncovered refuse remaining from any previous operating day or at the conclusion of any operating day (Section 21(o)(5) of the Act)..... 6. *X

Inadequate depth of daily cover (Section 807.305(a) of the Regulations 7. X

Inadequate depth of intermediate cover (Section 807.305(b) of the Regulations..... 8. X

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- Inadequate depth of final cover (Section 807.305(c) of the Regulations) ... 9. _____
- Failure to provide final cover within time limits established by Board Regulations
(Section 21(o)(6) of the Act and Section 807.305(c) of the Regulations) ... 10.* _____
- Failure to collect and contain litter from the site by the end of each operating day
(Section 21(o)(12) of the Act and Section 807.306 of the Regulations) 11.* _____
- Causing or allowing salvaging: in an unsanitary manner (); in an area not remote from the operating face (); which interferes with or otherwise delays the operation of the landfill (); without removing salvaged materials daily or separating such materials by type and storage so as to create a nuisance, vector harborage or unsightly appearance () (Section 807.307 of the Regulations) 12. _____
- Causing or allowing scavenging operations
(Section 21(o)(8) of the Act and Section 807.308 of the Regulations) 13.* _____
- Causing or allowing feeding of farm or domestic animals upon the site of the sanitary landfill or with refuse delivered thereto
(Section 807.309 of the Regulations) 14. _____
- Improper deposit, acceptance or handling of burning material at a sanitary landfill site (Section 807.310(a) of the Regulations) 15. _____
- Acceptance of wastes without necessary permits
(Section 21(o)(7) of the Act and Section 807.310(b) of the Regulations) ... 16.* _____
- Open burning of refuse in violation of: Section 9 of the Act (); Section 807.311 of the Regulations () (Section 21(o)(4) of the Act) 17.* _____
- Causing or allowing the operation of a sanitary landfill so as to cause or threaten or allow the emission of contaminants so as to cause or tend to cause air pollution in Illinois
(Section 9(a) of the Act and Section 807.312 of the Regulations) 18. _____
- Causing or allowing the operation of a sanitary landfill so as to cause or threaten or allow the discharge of any contaminants so as to cause water pollution in Illinois
(Section 12(a) of the Act and Section 807.313 of the Regulations) 19. _____
- Conducting a sanitary landfill operation in a manner which results in leachate flow entering Waters of the State (Section 21(o)(2) of the Act and Sections 807.313 and 807.314(e) of the Regulations) 20.* _____
- Conducting a sanitary landfill operation in a manner which results in leachate flows exiting the landfill confines (Section 21(o)(3) of the Act and Sections 807.313 and 807.314(e) of the Regulations) 21.* _____

Inadequate: <u>shelter</u> (); <u>sanitary facilities</u> (); <u>emergency communi-</u> <u>cations</u> () for employees (Section 807.314(a) of the Regulations)	22.	_____
Inadequate roads within the site (Section 807.314(b) of the Regulations) ..	23.	<u>X</u> _____
Inadequate control of access to site (Section 807.314(c) of the Regulations)	24.	_____
Inadequate measures for fire protection (Section 807.314(d) of the Regulations)	25.	_____
Inadequate measures to monitor and control leachate (Section 807.314(e) of the Regulations)	26.	_____
Inadequate measures to control: <u>dust</u> (); <u>vectors</u> () (Section 807.314(f) of the Regulations)	27.	_____
Failure to have an operational safety program approved by the Agency (Section 807.314(g) of the Regulations)	28.	_____
Inadequate provision for concealing sanitary landfill operations from public view (Section 807.314(h) of the Regulations)	29.	_____
Causing or allowing development or operation of a sanitary landfill with- out having proven to the Agency's satisfaction that no damage or hazard will result to Waters of the State (Section 807.315 of the Regulations) ...	30.	_____
Failure to <u>monitor</u> : gas (); water (); settling () after the site is completed or closed (Section 807.318(a) of the Regulations)	31.	_____
Failure to take necessary <u>remedial action</u> to abate any gas (); water (); settling () problems after the site is completed or closed (Section 807.318(b) of the Regulations)	32.	_____
Failure to properly file a detailed description of the site upon completion or closure of the site (Section 807.318(c) of the Regulations)	33.	_____
Refuse in standing or flowing water (Section 21(o)(1) of the Act)	34.*	_____
Deposition of refuse in any unpermitted portion of the landfill (Section 21(o)(9) of the Act)	35.*	_____
Acceptance of special waste without a required manifest (Section 21(o)(10) of the Act)	36.*	_____
Failure to submit reports required by permits or Board Regulations (Section 21(o)(11) of the Act)	37.*	<u>X</u> _____
Acceptance of special waste for disposal, storage or treatment from a waste hauler that does not have a valid special waste hauling permit (Section 809.302(a) of the Regulations)	38.	_____

Acceptance of special waste for disposal, storage or treatment from a waste hauler that did not present a signed manifest which designated the receiver's facility as a destination for the special waste (Section 809.302(a) of the Regulations) 39. _____

Failure to have financial assurance documents (Section 807.601 of the Regulations) 40. X

Failure to file: a closure plan (); post-closure plan () (Sections 807.503 and 807.523 of the Regulations) 41. _____


Failure to properly carry-out: closure plan (); post-closure plan () (Sections 807.506 and 807.524 of the Regulations) 42. _____

Apparent violation of: PCB (); Circuit Court () Case Number _____, Order entered on _____, 19 ____ 43. _____

Other 44. _____

INFORMATIONAL NOTES

1. References to "Act" herein refer to the Illinois Environmental Protection Act: Ill. Rev. Stat. ch. 111 1/2, par. 1001, et seq.
2. References to "Regulations" herein refer to the rules and regulations of the Illinois Pollution Control Board: 35 Ill. Adm. Code, Subtitle G.
3. Statutory and regulatory references herein are provided for convenience only and should not be construed as legal conclusion of the Agency or as limiting the Agency's statutory or regulatory powers.
- *. Subject to enforcement either by administrative citation under Section 31.1 of the Act or by complaint under Section 31 of the Act.



 Signature of IEPA Inspector(s)

GDS:jsm:3/2/11(Rev.1/27/92)

NARRATIVE INSPECTION REPORT DOCUMENT

Date of Inspection: 10/27/93 Inspector: George Browning
Site Code: 077 020 0002 County: Jackson
Location: DeSoto/SIRL(Jackson Co. Lf) Time: 07:55 to 09:35 a.m.

GENERAL REMARKS

This is a routine inspection of the Southern Illinois Regional Landfill. I arrived at the landfill at approximately 07:55 a.m. There were eight trucks waiting to enter. I proceeded to the office and spoke with Terry, the office manager that I was there to do a routine inspection. I then spoke with Bob Dabbs, the landfill manager. We discussed current activities at the landfill. He stated that they had begun to place some intermediate cover in parts of Area 1 indicating an attempt to correct some of the violations previously noted.

Active area is located in Area 2 in the southwest portion of the landfill. (See photo SW-197 #10, 11, 12, Area A on the site sketch.) I then proceeded with the rest of my inspection.

Line #1 - Failure to comply with terms and conditions of the permit, lack of financial assurance, and SIRL not on permit. SIRL has submitted a interim operating permit to the Agency. The first one was submitted by Tom Volini on or around 08/13/93. A second one has been submitted around September 30, 1993 with Everett Allen signature on the application. Also, information regarding financial assurance has been provided, but several questions have gone unanswered regarding the amount of money required for closure. A closure plan submitted to the Agency for evaluation reveals that closure cost for the amount of acres left uncovered do not correspond with the amount of acres listed in the closure plan. There is a conflict with regards to acres final covered and acres still to be final covered.

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Line #2: Failure to deposit refuse in the toe of the fill or into the bottom of the trench (Section 807.303(a) of the Regulations. During this inspection waste was being deposited on top of the waste pile not at the toe. (See photo SW-197 #16, 25 and 26, area A on the site sketch.

Line #6, 7, & 8 - Uncovered refuse remaining from any previous operating day or at the conclusion of any operating day. Inadequate depth of daily cover. Inadequate depth of intermediate cover. Several areas of uncovered refuse were observed during this inspection throughout Area 2. Lack of cover and refuse protruding through available cover. (See photo SW-197 #13 & 14, area A on the site sketch.)

Line #23 - Inadequate roads within the site. - It was observed during this inspection that traveling within the landfill is difficult at best due to the road conditions. Large ruts exist creating difficulty for smaller vehicles and even the larger refuse vehicles to maneuver.

A side note: the county is working on the road from Route 51 to the landfill.

Line #37 & 40 - Failure to submit reports required by permits or Board regulations and failure to have financial assurance documents. As stated in Line #1 information has been submitted to the Agency for evaluation with regards to financial assurance and permit requirements. Several questions have gone unanswered and we are awaiting clarification on these matters with regards to financial assurance and closure information.

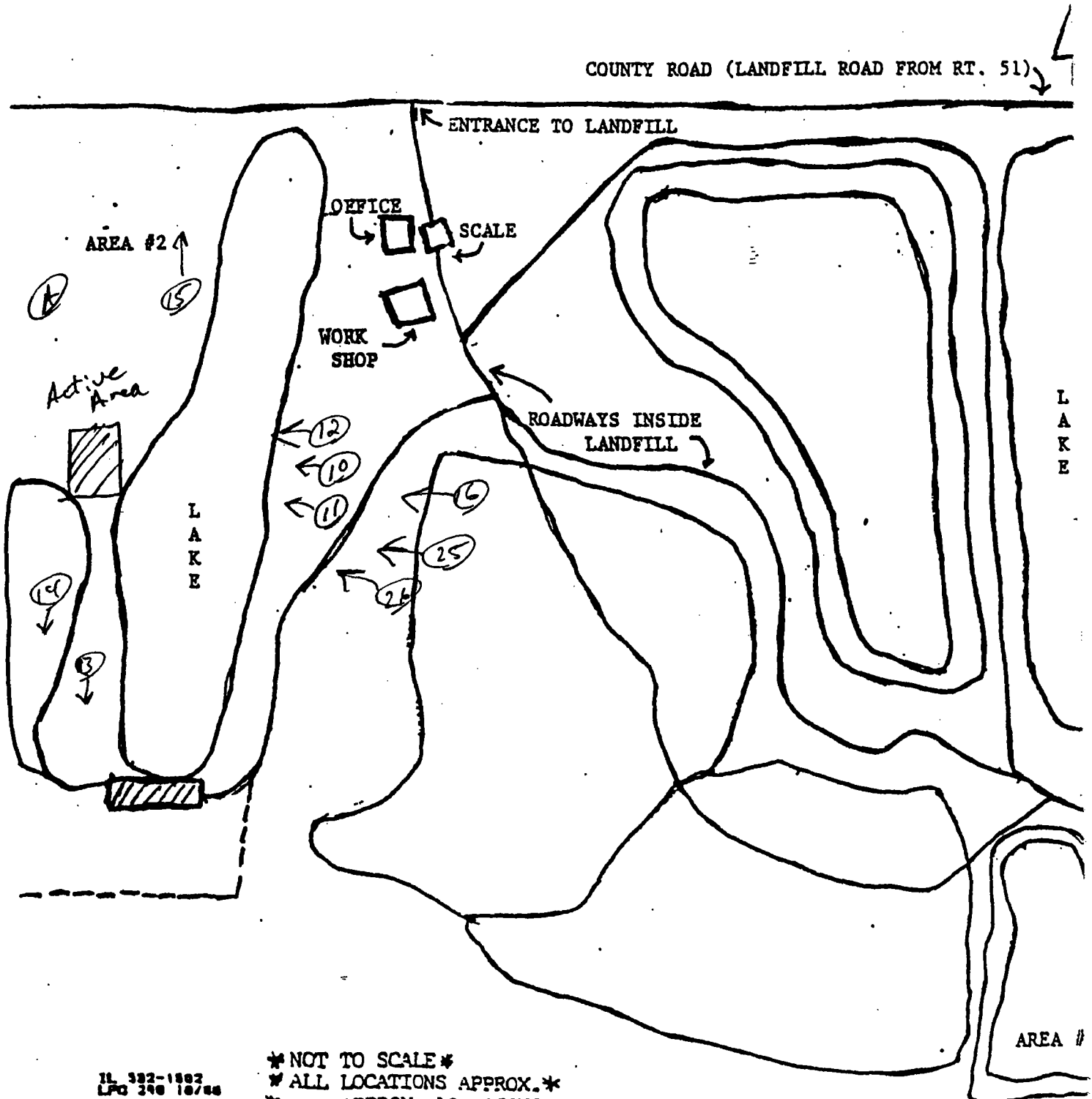
Matters noted during this inspection were discussed with the landfill manager at its conclusion.

My inspection was concluded at approximately 09:35 a.m.

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY

SITE SKETCH

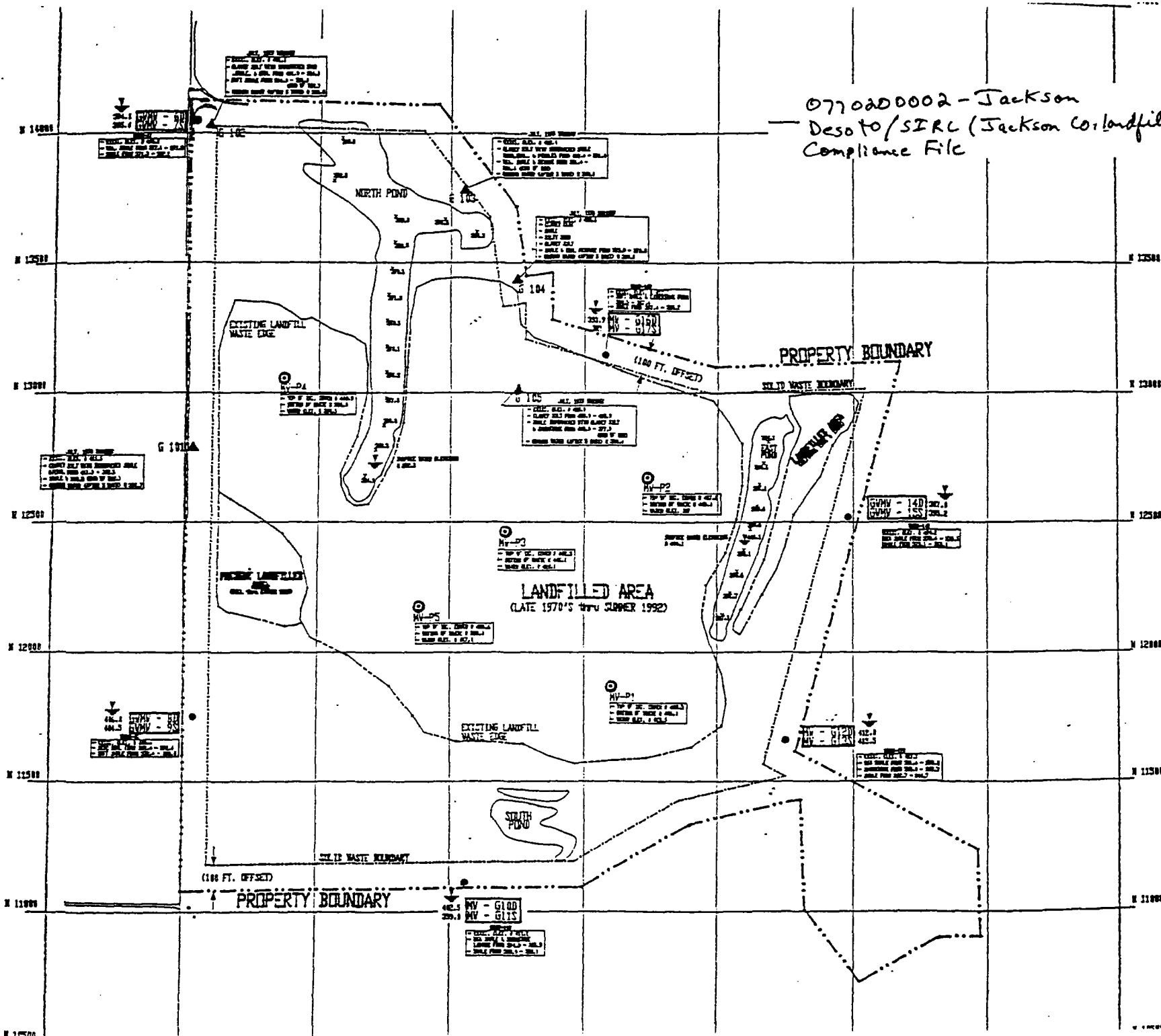
Date of Inspection: 10/27/93 Inspector: GEORGE BROWNING
Site Code: 0 7 7 0 2 0 0 0 0 2 County: JACKSON
Site Name: DESOTO/SIRL (JACKSON COUNTY LANDFILL) Time: 07:55 to 09:35 a.m



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LPC 348 10/93

* NOT TO SCALE *
* ALL LOCATIONS APPROX. *
* ○ → = APPROX. LOCATIONS & DIRECTION OF PHOTOS *

0770200002 - Jackson
 Desoto/SIRC (Jackson Co. landfill)
 Compliance File



Technical site plan for a landfill leachate collection system. The plan shows a rectangular area with various infrastructure elements: a perimeter road at the top and bottom, a central ridge, and multiple leachate collectors and headers. Elevation points are marked throughout the site, with some boxed in to show North (N) and East (E) coordinates. Slopes are indicated with percentages (e.g., 1.25%, 2.0%, 3:1). A north arrow is located on the right side. The plan also includes labels for 'SUMP', 'HERRINGBONE DESIGN (TYP)', and 'LINER CONSTRUCTED ON EXISTING LANDFILL SIDESLOPE'. The overall layout is oriented with the perimeter road at the top.

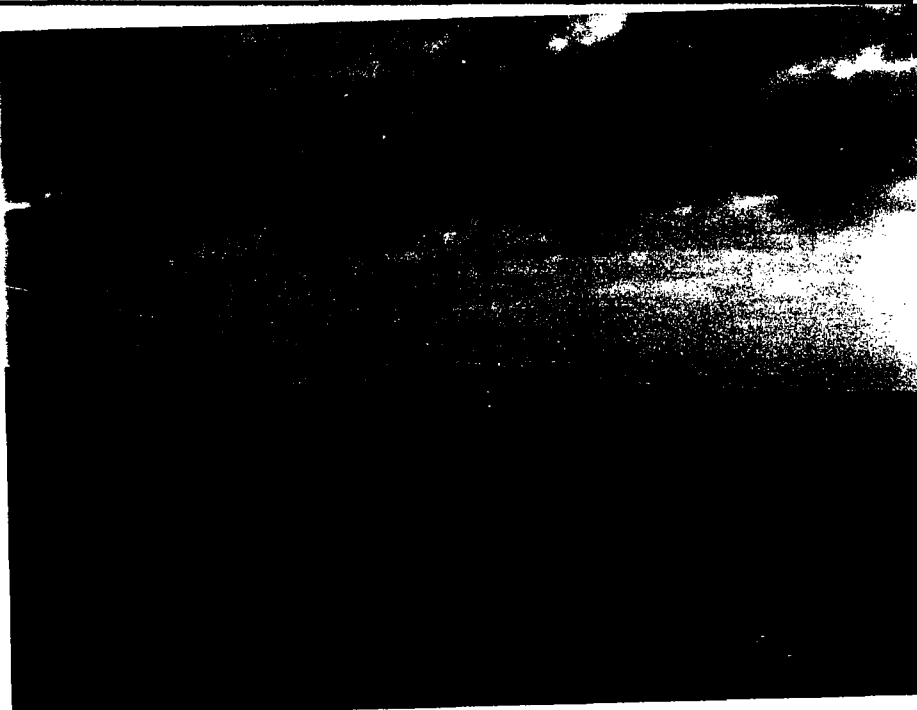
Key features and labels include:

- Perimeter Road:** Located at the top and bottom of the site.
- Ridge:** A central feature running horizontally across the middle of the site.
- Leachate Collectors and Headers:** Multiple lines labeled 'LEACHATE COLLECTOR' and 'LEACHATE HEADER' are shown, with arrows indicating flow direction.
- Sump:** A circular feature labeled 'SUMP' is located near the top center.
- Herringbone Design:** Two areas labeled 'HERRINGBONE DESIGN (TYP)' are shown, likely for erosion control.
- Liner:** A note states 'LINER CONSTRUCTED ON EXISTING LANDFILL SIDESLOPE'.
- Slopes:** Various slopes are indicated, including 1.25%, 2.0%, and 3:1 fill slopes to meet existing grade.
- Elevation Points:** Numerous points are marked with elevations, some in boxed coordinates (e.g., 13,880.00 N, 20,157.00 E).
- North Arrow:** Located on the right side of the plan.

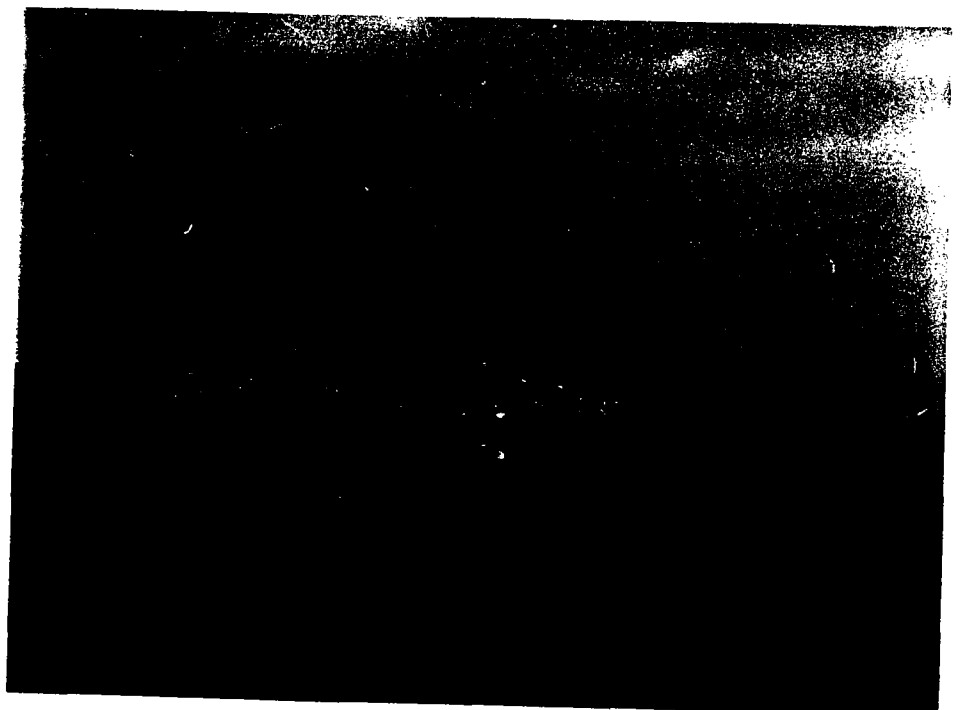
NORTH WEST CELL DEVELOPMENT
LINER BOTTOM



INSPECTION PHOTOS

DATE: <u>10 / 27 / 93</u>	SITE #: <u>027 020000 2</u> CO.: <u>Jackson</u>
TIME: <u>8:10 Am</u>	SITE NAME: <u>DeSoto / SIRC (Jackson Co. land fill)</u>
PHOTOGRAPH TAKEN BY: <u>George Browning</u>	
COMMENTS: Pictures taken toward: <u>West</u>	
ROLL #: <u>SW-197</u> PHOTO #: <u>10</u>	


DATE: <u>10 / 27 / 93</u>
TIME: <u>8:10 Am</u>
PHOTOGRAPH TAKEN BY: <u>George Browning</u>
COMMENTS: Pictures taken toward: <u>West</u>
ROLL #: <u>SW-197</u> PHOTO #: <u>11</u>



FOS



INSPECTION PHOTOS

DATE: <u>10 / 27 / 93</u>	SITE #: <u>077 0200002</u> CO.: <u>Jackson</u>
TIME: <u>8:11 Am</u>	SITE NAME: <u>DeSoto / SIRC (Jackson Co. land fill)</u>
PHOTOGRAPH TAKEN BY: <u>George Browning</u>	
COMMENTS: Pictures taken toward: <u>West</u>	
ROLL #: <u>SW-197</u> PHOTO #: <u>12</u>	


DATE: <u>10 / 27 / 93</u>
TIME: <u>8:40 Am</u>
PHOTOGRAPH TAKEN BY: <u>George Browning</u>
COMMENTS: Pictures taken toward: <u>South</u>
ROLL #: <u>SW-197</u> PHOTO #: <u>13</u>



FOS



INSPECTION PHOTOS

DATE: <u>10 / 27 / 93</u>	SITE #: <u>027 020000 2</u> CO.: <u>Jackson</u>
TIME: <u>8:40 AM</u>	SITE NAME: <u>DeSoto / SIRC (Jackson Co. land fill)</u>
PHOTOGRAPH TAKEN BY: <u>George Browning</u>	
COMMENTS: Pictures taken toward: <u>South</u>	
ROLL #: <u>SW-197</u> PHOTO #: <u>14</u>	

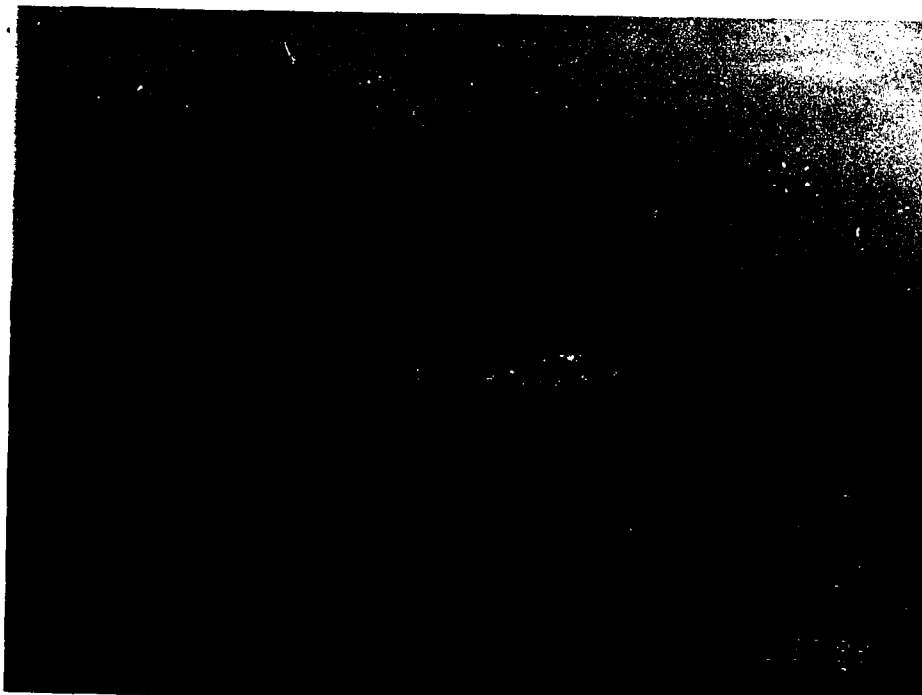
DATE: <u>10 / 27 / 93</u>
TIME: <u>8:45 AM</u>
PHOTOGRAPH TAKEN BY: <u>George Browning</u>
COMMENTS: Pictures taken toward: <u>North</u>
ROLL #: <u>SW-197</u> PHOTO #: <u>15</u>



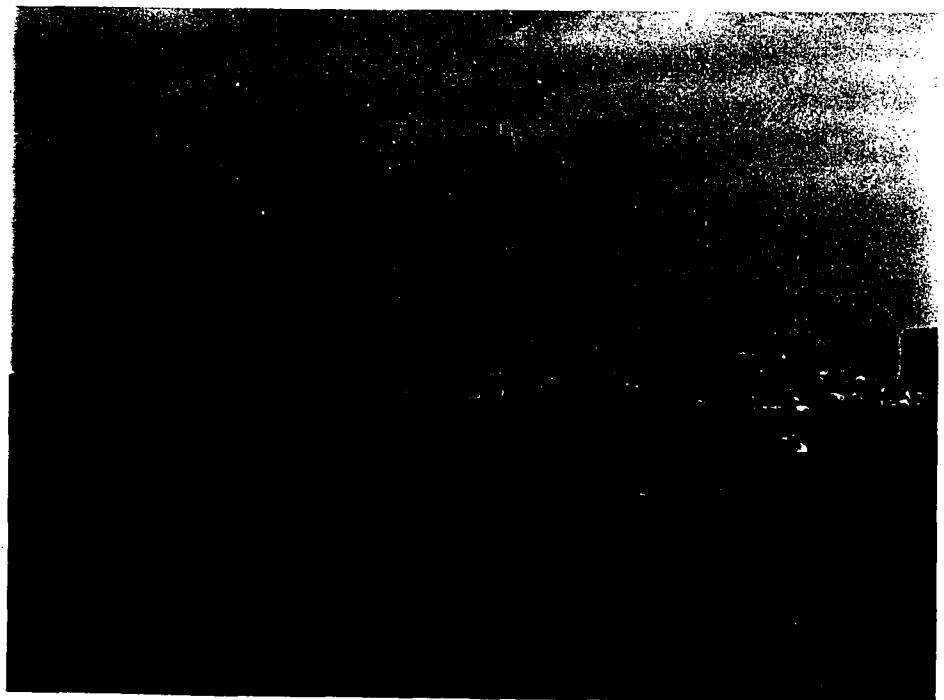
FOS



INSPECTION PHOTOS

DATE: <u>10 / 27 / 93</u>	SITE #: <u>027 0200002</u> CO.: <u>Tackson</u>
TIME: <u>8:48 Am</u>	SITE NAME: <u>DeSoto / SIRC (Tackson Co. land fill)</u>
PHOTOGRAPH TAKEN BY: <u>George Browning</u>	
COMMENTS: Pictures taken toward: <u>west</u>	
ROLL #: <u>SW-197</u> PHOTO #: <u>16</u>	


DATE: <u>10 / 27 / 93</u>
TIME: <u>9:20 Am</u>
PHOTOGRAPH TAKEN BY: <u>George Browning</u>
COMMENTS: Pictures taken toward: <u>west</u>
ROLL #: <u>SW-197</u> PHOTO #: <u>25</u>



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INSPECTION PHOTOS

DATE: <u>10 / 27 / 93</u>	SITE #: <u>027 020000_2</u> CO.: <u>Jackson</u>
TIME: <u>9:20 Am</u>	SITE NAME: <u>DeSoto / SIRC (Jackson Co. land fill)</u>
PHOTOGRAPH TAKEN BY: <u>George Browning</u>	
COMMENTS: Pictures taken toward: <u>west</u>	
ROLL #: <u>SW-197</u> PHOTO #: <u>26</u>	

DATE: <u>10 / 27 / 93</u>
TIME:
PHOTOGRAPH TAKEN BY: <u>George Browning</u>
COMMENTS: Pictures taken toward:
ROLL #: <u>SW-197</u> PHOTO #:

**NO
PHOTO**

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